



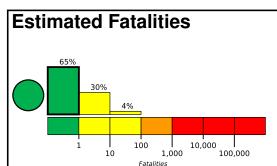
GSN USAID FROM THE AMERICAN PEOPLE

M 5.5, 108 km NNE of Bangkalan, Indonesia

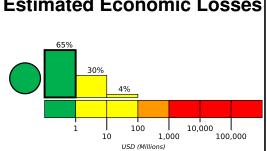
Origin Time: 2023-08-04 00:31:44 UTC (Fri 07:31:44 local) Location: 6.1338° S 113.1027° E Depth: 579.0 km

PAGER Version 4

Created: 1 week, 2 days after earthquake



Green alert for shaking-related fatalities **Estimated Economic Losses** and economic losses. There is a low likelihood of casualties and damage.



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		30,714k	0	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us6000kxp7#pager

Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are unreinforced brick with concrete floor and precast concrete frame with wall construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
2004-01-01	382	5.8	VII(14k)	1
1979-12-17	392	6.5	VIII(22k)	32
2006-05-26	366	6.4	IX(956k)	6k

Selected City Exposure

from GeoNames.org

from G	eoNames.org	
MMI	City	Population
1	Wulung	<1k
1	Pilang	<1k
	Payaman	<1k
1	Sendangagung	<1k
1	Sendangduwur	<1k
1	Sumberagung	<1k
1	Surabaya	2,375k
I	Situbondo	600k
I	Kediri	235k
I	Madiun	186k
1	Probolinggo	182k

bold cities appear on map.

(k = x1000)

Event ID: us6000kxp7